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The RECEIVED stamp of the U.S. Patent and Trademark Office hereon acknowledges receipt of the following paper:

INFORMATION DISCLOSURE STATEM (PATENT)

Applicant: Filed:

Shubh D. Sharma January 17, 2000

Serial No.:

09/483,837

For:

Structurally Determined Metallo-Construction

Applications

Contents: Information Disclosure Statement; Form PTO-

1449; Copies of 96 references; postcard

Attorney: Stephen A. Slusher

Reg. No.

43,924

Date:

March 21, 2000

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: Art Unit: Unknown

: Examiner: Unknown

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Shubh D. Sharma

Serial No.:

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For:

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STRUCTURALLY

DETERMINED METALLO-

CONSTRUCTS AND

APPLICATIONS

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

SIR:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being within three months of the filing date of the application. Therefore, no fee or certification is required. 37 C.F.R. § 1.97(b).

Date: 03/21/00

Respectfully submitted,

Stephen A. Slusher Reg. No. 43,924 Attorney for Applicants

Enclosures: PTO Form 1449;

Copy of 96 References

Peacock, Myers & Adams P.O. Box 26927 Albuquerque, NM 87125-6927 (505) 998-1500

The Assistant Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 03-4213 of any fees associated with this communication.

I hereby certify that this paper and fee is being deposited, under 37 C.F.R. § 110 and with sufficient postage as first class mail with the United States Postal Service on the date indicated above and that the deposit is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Stephen A. Susher, Reg. No. 43,924

70025-9 09/483,837 INFORMATION DISCLOSURE CITATION APPLICANT(S) Shubh D. Sharma (Use several sheets if necessary) FILING DATE GROUP January 17, 2000 Unknown U.S. PAPENT DOCUMENTS *FXAMINER FILING DATE DOCUMENT NUMBER NAME CLASS SUBCLASS DATE INITIAL IF APPROPRIATE 4,390,528 06/28/83 NAJJAR 424 177 4,427,646 01/24/84 OLEXA et al. 424 1.1 4,479,930 10/30/84 **HNATOWICH** 424 1.1 JECH CENTER 1600/29 4,578,079 03/25/86 RUOSLAHTI et al. 623 11 03/17/87 SCHALLY et al. 4,650,787 514 11 4,668,503 05/26/87 **HNATOWICH** 424 1.1 4,680,276 07/14/87 BACH et al. 436 542 4,732,864 03/22/88 **TOLMAN** 436 547 4,849,505 07/18/89 **STAVRIANOPOULOS** 530 300 4,859,765 08/22/89 NESTOR, JR. et al. 530 333 4,863,898 09/05/89 ASHMEAD et al. 514 6 **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES 2,016,235 11 Sep 90 Canada 94810008.6 10 Jan 94 **EPO** 04 Jun 93 **PCT** PCT/US93/05372 PCT/US93/04794 21 May 93 PCT PCT/US93/03687 19 Apr 93 **PCT** OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) "Conformational Restrictions of Biologically Active Peptides Via Amino Acid Side Chain Groups" by V. J. Hruby. Life Sciences, Vol. 31, pp. 189-199. "Complexes of Technetium-99m with Tetrapeptides, a New Class of Tc-labelled Agents" by H.P. Vanbilloen et al. Nuc. Med. Bio., 22: 325-337. "Secondary Structure Nucleation in Peptides. Transition Metal Ion Stabilized a-Helices" by M.R. Ghadiri et al. J. Am. Chem. Soc. 1990. Vol. 112, No. 4. pp. 1630-1632 "Peptide Architecture. Design of Stable a Helical Metallopeptides via a Novel Exchange-Inert Ru iii Complex" by M.R. Ghadiri et al. J. Am Chem. Soc. 1990, Vol. 112, No. 26. pp. 9633-9635 EXAMINER DATE CONSIDERED 'EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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70025-99 09/483,837 INFORMATION DISCLOSURE CITATION ARRLICANT(S) NOV 2 9 2004 Shabh D. Sharma (Use several sheets if necessary) FUNG DATE GROUP January 17, 2000 Unknown U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER FILING DATE DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE 4,883,861 11/28/89 GRILL et al. 530 326 4,986,979 01/22/91 MORGAN, JR. et al. 424 1.1 5,028,593 07/02/91 **NISHIOKA** 514 18 DEC 3 - **2004** 5,023,237 06/11/91 **PICKART** 514 18 TECH CENTER 1000/290 5,059,588 10/22/91 PICKART 514 12 5,091,176 02/25/92 BRAATZ et al. 424 78.17 5.118.665 06/02/92 **PICKART** 514 6 5,157,023 10/20/92 LIPTON 514 18 5,196,510 03/23/93 RODWELL et al. 530 324 5,200,504 04/06/93 **GHADIRI** 530 304 5,214,131 05/25/93 SANO et al. 530 345 FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YEŞ NO PCT/US93/02320 12 Mar 93 **PCT** PCT/US92/10716 19 Nov 92 **PCT** PCT/US94/06274 03 Jun 94 **PCT** PCT/US94/08335 21 Jul 94 **PCT** PCT/US92/00757 07 Feb 92 **PCT** OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) "A Convergent Approach to Protein Design. Metal Ion-Assisted Spontaneous Self-Assembly of a Polypeptide into a Triple-Helix Bundle Protein" by M.R. Ghadiri et al. J. Am. Chem. Soc. 1992, Vol. 114, No. 3. pp. 825-831. "Synthesis and Radiochemical Studies of Model Chelators For Tc-99m" by P.R. Singh et al. Proceedings of the 43rd Annual Meeting, Journal of Nuclear Medicine. June 4, 1996. p. 28p. "A Review of the Utility of Soluble Peptide Combinatorial Libraries" by C. Pinilla et al. Biopolymers (Peptide Science), Vol. 37, 1995. pp. 221-240. "Design of Metal ion Binding Peptides" by R. Fattorusso et al. Biopolymers (Peptide Science), Vol. 37, 1995. pp. 401-410. **EXAMINER DATE CONSIDERED** EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not

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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO. SERIAL NO. 70025-99 09/483,837 APPLICANT(S) Shubh D. Sharma FILING DATE GROUP January 17, 2000 Unknown

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ATTY DOCKET NO. SERIAL NO. 70025-99 09/483,837 INFORMATION DISCLOSURE CITATION APPLICANT(S) Shubh D. Sharma (Use several sheets if necessary) FILING DATE GROUP January 17, 2000 Unknown **U.S. PATENT DOCUMENTS** *EXAMINER FILING DATE DOCUMENT NUMBER DATE NAME CLASS SUECLASS INITIAL IF APPROPRIATE FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES (Including Author, Title, Date, Pertinent Pages, Etc.) OTHER DOCUMENTS "Combinatorial Organic Synthesis Using Parke-Davis's DIVERSOMER Method" by S.H. DeWitt et al. Acc. Chem. Res. 1996, Vol. 29, No. 3. pp. 114-122. "The Use of Light-Directed Combinatorial Peptide Synthesis in Epitope Mapping" by C.P. Holmes et al. Biopolymers (Peptide Science) Vol. 37, 1995. pp. 199-211.

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Docket Number (Optional) Application Number 70025-9 09/483,837 INFORMATION DISCLOSURE CITATION Applicant(s) Shubh D. Sharma (Use several sheets if necessary) Filing Date Group Art Unit January 17, 2000 Unknown U.S. PATENT DOCUMENTS **EXAMINER** REF DOCUMENT NUMBER DATE INITIAL NAME CLASS SUBCLASS FILING DATE IF APPROPRIATE FOREIGN PATENT DOCUMENTS REF DOCUMENT NUMBER DATE Translation COUNTRY CLASS SUBCLASS YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) "Conformation and complexation with metal ions of cyclic hexapeptides: cyclo (L-Leu-L-Phe-L-Pro)2 and cyclo [L-Cys(Acm)-L-Phe-L-Pro]2" By E. Ozeki et al. Int. J. Peptide Protein Res. 34, 1989. pp. 111-117. "Design, Synthesis, and Complexing Properties of (1Cys-1'Cys,4Cys-4'Cys)-dithiobis(Ac-L1Cys-L-Pro-D-Val-L-4Cys-NH2). The First Example of New Family of Ion-Binding Peptides" J. Am. Chem. Soc. Vol. 115-25. pp. 11664-11670. "Homodimeric and Heterodimeric Bis(amino thiol) Oxometal Complexes with Rhenium(V) and Technetium(V). Control of Heterodimeric Complex Formation and an Approach to Metal Complexes that Mimic Steroid Hormones" By D.Y. Chi et al. J. Med. Chem., 1994, Vol. 37 No. 7, pp. 928-937 "Protein Structure" By V.J. Hruby et al. Synthetic Peptides, A User's Guide, 1992. pp. 24-33. **EXAMINER** DATE CONSIDERED EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and

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Docket Number (Optional) Application Number 70025-99 09/483,837 INFORMATION DISCLOSURE CITATION Applicant(s) Shubh D. Sharma (Use several sheets if necessary) Filing Date Group Art Unit January 17, 2000 Unknown U.S. PATENT DOCUMENTS EXAMINER REF DOCUMENT NUMBER FILING DATE DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE FOREIGN PATENT DOCUMENTS REF DOCUMENT NUMBER Translation DATE COUNTRY CLASS SUBCLASS YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

"Secondary Structure Prediction" By V.J. Hruby et al. Synthetic Peptides, A User's Guide, 1992. pp. 39-41.

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